

DPM 5066 Series Thinner

## MATERIAL SAFETY DATA SHEET

Form Approved  
Bureau Budget No. 45-20338

MANUFACTURER'S NAME AND FSCM (Federal Supply Code for Manufacturers)

ADVANCED COATINGS &amp; CHEMICALS

EMERGENCY PHONE NO.

818-579-6270

ADDRESS (Number, Street, City, State, and ZIP Code)

4343 Temple City Blvd, Temple City, CA 91780

CHEMICAL NAME AND SYNONYMS

ORGANIC SOLVENT

TRADE NAME AND SYNONYMS

Advanced Spray Type Reducer

CHEMICAL FAMILY

ORGANIC SOLVENT

FORMULA

30C-1

FEDERAL STOCK NUMBER (FSN)

GROSS WEIGHT (LBS)

OUTSIDE PACKAGE DIMENSIONS (Inches)

DPM 5066 THINNER

MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STD 704M SIGNAL

FLAMMABILITY \_\_\_\_\_ HEALTH \_\_\_\_\_ REACTIVITY \_\_\_\_\_ SPECIFIC HAZARD \_\_\_\_\_

PAINTS, PRESERVATIVES,  
AND SOLVENTSVOLUME  
%THRESHOLD  
LIMIT VALUE  
(Units)

ALLOYS AND METALLIC COATINGS

%

THRESHOLD  
LIMIT VALUE  
(Units)

PIGMENTS

BASE METAL

CATALYST

ALLOYS

VEHICLE

METALLIC COATINGS

SOLVENTS

100

FILLER METAL  
PLUS COATING OR CORE FLUX

ADDITIVES

OTHERS

OTHERS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

VOLUME  
%THRESHOLD  
LIMIT VALUE  
(Units)

Methyl Ethyl Ketone

31.99 200 PPM

Methyl Isobutyl Ketone

10.73 100 PPM

Toluol

39.59 100 PPM

Cellosolve Acetate

17.69 5 PPM

BOILING POINT (°F.)

Not Determined

SPECIFIC GRAVITY (H<sub>2</sub>O=1)

0.86

VAPOR PRESSURE (mm Hg.)

Not Determined

PERCENT VOLATILE  
BY VOLUME (%)

100%

VAPOR DENSITY (AIR=1)

Not Determined

EVAPORATION RATE  
( \_\_\_\_\_ = 1)

Not Determined

SOLUBILITY IN WATER

Insoluble

APPEARANCE AND ODOR

Clear with Benzol-like Odor.

FLASH POINT (Method used)

20°F. TCC

FLAMMABLE  
LIMITS

LOWER EXPLOSIVE LIMIT

Not Determined

UPPER EXPLOSIVE LIMIT

Not Determined

EXTINGUISHING MEDIA

CO<sub>2</sub>, DRY CHEMICAL OR FOAM

SPECIAL FIRE FIGHTING PROCEDURES

USE SPRAY NOZZLE DISCHARGE TO ASSIST IN CONTROLLING THE FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Concentrated vapors may be explosive.

SECTION V HEALTH HAZARD DATA	THRESHOLD LIMIT VALUE Not Determined		
	EFFECTS OF OVEREXPOSURE Vapors: Might be irritating to eyes, nose and throat, repeated excessive exposure may result in headaches, dizziness, sleepiness & nausea. Defatting to skin.		
	EMERGENCY AND FIRST AID PROCEDURES Vapor Contact - Provide fresh air and rest.		
	Skin Contact - Wash with mild soap & water. Use emollient cream or lotion.		
	Eye Contact - Wash with gentle stream of water for 5 mins. See a doctor immediately.		
SECTION VI REACTIVITY DATA	STABILITY	UNSTABLE	CONDITIONS TO AVOID
		STABLE	X
	INCOMPATIBILITY (Materials to avoid) NONE		
	HAZARDOUS DECOMPOSITION PRODUCTS BURNING WILL PRODUCE ACRID FUMES		
	HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
WILL NOT OCCUR		X	
SECTION VII SPILL OR LEAK PROCEDURES	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Avoid sparks or open flames. Provide adequate ventilation.		
	WASTE DISPOSAL METHOD Landfill - Consult with local, state and/or federal. Solid waste regulations for proper and safe disposal.		
SECTION VIII - SPECIAL PROTECTION INFORMATION	RESPIRATORY PROTECTION (Specify type) In closed areas use air respirators or air mask suitable for organic vapors.		
	VENTILATION	LOCAL EXHAUST Local exhaust required	SPECIAL Use explosive-proof equipment
		MECHANICAL (General)	OTHER
	PROTECTIVE GLOVES Recommended		EYE PROTECTION Splash-proof goggles (ANSI Z87-1, 1968)
	OTHER PROTECTIVE EQUIPMENT Impervious apron. Eyewash facility.		
SECTION IX SPECIAL PRECAUTIONS	PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Handle as a flammable liquid. Do not store near open flames nor combustion chambers.		
	OTHER PRECAUTIONS		
SECTION X TRANS. DATA	PROPER SHIPPING (Article) NAME ORGANIC SOLVENT		DOT CLASSIFICATION Flammable
	DOT LABEL Red	DOT MARKING	EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES Avoid sparks & open flames. Avoid skin & eye contact.
	DOT PLACARD	PRECAUTIONS TO BE TAKEN IN TRANSPORTATION Avoid open flames & sparks. Keep containers closed.	

DPM 5066-3635 base

# MATERIAL SAFETY DATA SHEET

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SECTION I

MANUFACTURER'S NAME AND FSCM (Federal Supply Code for Manufacturers) <b>ADVANCED COATINGS &amp; CHEMICALS</b>		EMERGENCY PHONE NO. <b>818-579-6270</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>4343 Temple City Blvd, Temple City, CA 91780</b>		
CHEMICAL NAME AND SYNONYMS <b>Polyurethane</b>		TRADE NAME AND SYNONYMS <b>URAFILM TFE GRAY</b>
CHEMICAL FAMILY <b>Polyurethane</b>	FORMULA <b>3-1X-7. w/3-1H-3 Hardener</b>	
FEDERAL STOCK NUMBER (FSN)	GROSS WEIGHT (LBS)	OUTSIDE PACKAGE DIMENSIONS (Inches) <b>DPM 5066-3635</b>
MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STD 704M SIGNAL		
FLAMMABILITY _____ HEALTH _____ REACTIVITY _____ SPECIFIC HAZARD _____		

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, AND SOLVENTS	%	THRESHOLD LIMIT VALUE (Units)	ALLOYS AND METALLIC COATINGS	%	THRESHOLD LIMIT VALUE (Units)
PIGMENTS			BASE METAL		
CATALYST (T.I.P.)	13		ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	THRESHOLD LIMIT VALUE (Units)
Butyl Acetate				14	200 PPM
METHYL ETHYL KETONE				7	200 PPM
BUTYL CELLOSOLVE ACETATE				15	150 PPM
CELLOSOLVE ACETATE				17	100 PPM
XYLOL				2	200 PPM
TOLUOL				4	200 PPM

SECTION III  
PHYSICAL DATA

BOILING POINT (°F.)	Not Determined	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.14
VAPOR PRESSURE (mm Hg.)	Not Determined	PERCENT VOLATILE BY VOLUME (%)	62%
VAPOR DENSITY (AIR = 1)	Not Determined	EVAPORATION RATE (_____ = 1)	Not Determined
SOLUBILITY IN WATER	Insoluble		Not Determined
APPEARANCE AND ODOR Gray liquid with characteristic solvent odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 25°F. TOC	FLAMMABLE LIMITS	LOWER EXPLOSIVE LIMIT Not Determined	UPPER EXPLOSIVE LIMIT Not Determined
EXTINGUISHING MEDIA Water Fog, Foam, CO <sub>2</sub> and/or Dry Chemicals			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS Concentrated vapors may be explosive.			

DD

FORM 1813 S/N 0102-026-1080  
1 JUN 71

PLATE NO. 22473 (FRONT)

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SECTION V HEALTH HAZARD DATA	THRESHOLD LIMIT VALUE Not Determined		
	EFFECTS OF OVEREXPOSURE Vapors: Might be irritating to eyes, nose and throat, repeated excessive exposure may result in headaches, dizziness, sleepiness & nausea. Defatting to skin.		
	EMERGENCY AND FIRST AID PROCEDURES Vapor Contact - Provide fresh air and rest.		
	Skin Contact - Wash with mild soap & water. Use emollient cream or lotion.		
	Eye Contact - Wash with gentle stream of water for 5 mins. See a doctor immediately.		
SECTION VI REACTIVITY DATA	STABILITY	UNSTABLE	CONDITIONS TO AVOID
		STABLE	X Avoid strong oxidizing agents.
	INCOMPATIBILITY (Materials to avoid)		
	HAZARDOUS DECOMPOSITION PRODUCTS On burning will product carbon monoxide, carbon dioxide & acrid fumes.		
	HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR	X	
SECTION VII SPILL OR LEAK PROCEDURES	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Avoid sparks or open flames. Provide adequate ventilation. Wipe spillage and safety discard absorbent materials. Large spills should be diked and pumped into waste tank.		
	WASTE DISPOSAL METHOD Landfill - Consult with local, state and/or federal. Solid waste regulations for proper and safe disposal.		
SECTION VIII - SPECIAL PROTECTION INFORMATION	RESPIRATORY PROTECTION (Specify type) In closed areas use air respirators or air mask suitable for organic vapors.		
	VENTILATION	LOCAL EXHAUST Local exhaust required	SPECIAL Use explosive-proof equipment
		MECHANICAL (General)	OTHER
	PROTECTIVE GLOVES Recommended		EYE PROTECTION Splash-proof goggles (Anzi <sup>Z</sup> 87-1, 1968)
	OTHER PROTECTIVE EQUIPMENT Impervious apron. Eyewash facility.		
SECTION IX SPECIAL PRECAUTIONS	PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Handle as a flammable liquid. Do not store near open flames nor combustion chambers.		
	OTHER PRECAUTIONS		
SECTION X TRANS. DATA	PROPER SHIPPING (Article) NAME Resin solution		DOT CLASSIFICATION Flammable
	DOT LABEL Red	DOT MARKING	EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES Avoid sparks & open flames. Avoid skin & eye contact.
	DOT PLACARD	PRECAUTIONS TO BE TAKEN IN TRANSPORTATION Avoid open flames & sparks. Keep containers closed.	

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ADVANCED COATINGS &amp; CHEMICALS

EMERGENCY PHONE NO.

818-579-6270

ADDRESS (Number, Street, City, State, and ZIP Code)

4343 Temple City Blvd, Temple City, CA 91780

CHEMICAL NAME AND SYNONYMS

Aliphatic Polyisocyanate

TRADE NAME AND SYNONYMS

L.S. Hardener

CHEMICAL FAMILY

Aliphatic Polyisocyanate

FORMULA

3-1H-3

FEDERAL STOCK NUMBER (FSN)

GROSS WEIGHT (LBS)

OUTSIDE PACKAGE DIMENSIONS (Inches)

MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STD 704M SIGNAL

FLAMMABILITY

HEALTH

REACTIVITY

SPECIFIC HAZARD

PAINTS, PRESERVATIVES,  
AND SOLVENTS

volume

THRESHOLD  
LIMIT VALUE  
(Units)

ALLOYS AND METALLIC COATINGS

%

THRESHOLD  
LIMIT VALUE  
(Units)

PIGMENTS

BASE METAL

CATALYST

70.00

ALLOYS

VEHICLE

METALLIC COATINGS

SOLVENTS

30.00

FILLER METAL  
PLUS COATING OR CORE FLUX

ADDITIVES

OTHERS

OTHERS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES  
By Total Volume of Solvents

volume

THRESHOLD  
LIMIT VALUE  
(Units)

Xylene 4.88

50.00

100 PPM

n-Butyl Acetate

50.00

150 PPM

Hexamethylene diisocyanate content less than 0.7% based on solids  
at time of manufacture. However, after 3-6 months storage, may  
rise to 1.6%

BOILING POINT (°F.)

Not Determined

SPECIFIC GRAVITY (H<sub>2</sub>O=1)

1.06

VAPOR PRESSURE (mm Hg.)

Not Determined

PERCENT VOLATILE  
BY VOLUME (%)

30%

VAPOR DENSITY (AIR=1)

Not Determined

EVAPORATION RATE  
(\_\_\_\_\_ = 1)

Not Determined

SOLUBILITY IN WATER

Insoluble

APPEARANCE AND ODOR

Clear pale Yellow with Distinct Solvent Odor.

FLASH POINT (Method used)

81°F.TCC

FLAMMABLE  
LIMITSLOWER EXPLOSIVE LIMIT  
Not DeterminedUPPER EXPLOSIVE LIMIT  
Not Determined

EXTINGUISHING MEDIA

Water Fog, Foam, CO<sub>2</sub> and/or Dry Chemicals

SPECIAL FIRE FIGHTING PROCEDURES

None

UNUSUAL FIRE AND EXPLOSION HAZARDS

Concentrated vapors may be explosive.

<b>SECTION V HEALTH HAZARD DATA</b>	As indicated			
	EFFECTS OF OVEREXPOSURE To Vapors: Might be irritating to eyes, nose and throat. Repeated excessive exposure may result in headache, dizziness, sleepiness and nausea. Defatting to skin.			
	EMERGENCY AND FIRST AID PROCEDURES			
	Skin Contact: Wash with mild soap and water. Use emollient cream or lotion.			
	Eye Contact: Wash with gentle stream of water for 5 minutes. See a doctor immediately.			
Vapor Contact: Provide fresh air and rest.				
<b>SECTION VI REACTIVITY DATA</b>	STABILITY	UNSTABLE		CONDITIONS TO AVOID
		STABLE	X	
	INCOMPATIBILITY (Materials to avoid)			
	HAZARDOUS DECOMPOSITION PRODUCTS			
	On burning will produce carbon monoxide, carbon dioxide and acrid fumes.			
<b>SECTION VII SPILL OR LEAK PROCEDURES</b>	HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
		WILL NOT OCCUR	X	
	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED			
	Avoid sparks or open flames. Provide adequate ventilation. Wipe spillage and safely discard absorbent materials. Large spills should be diked and pumped into waste tank.			
	WASTE DISPOSAL METHOD			
<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>	Landfill - Consult with local, state and/or federal waste regulations for proper and safe disposal.			
	RESPIRATORY PROTECTION (Specify type) In closed areas use air respirators or air mask suitable for organic vapors.			
	VENTILATION	LOCAL EXHAUST	SPECIAL	
		Local exhaust required	Use explosion-proof equipment	
		MECHANICAL (General)	OTHER	
<b>SECTION IX SPECIAL PRECAUTIONS</b>	PROTECTIVE GLOVES		EYE PROTECTION	
	Recommended		Splash-proof goggles. (Anzi Z87-1, 1968)	
	OTHER PROTECTIVE EQUIPMENT			
	Impervious apron. Eyewash facility.			
	PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING			
<b>SECTION X TRANS. DATA</b>	Handle as a flammable liquid. Do not store near open flames nor combustion chambers.			
	OTHER PRECAUTIONS			
	PROPER SHIPPING (Article) NAME			DOT CLASSIFICATION
	Paint UN 1263			Flammable
	DOT LABEL	DOT MARKING	EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES	
Red		Avoid sparks & open flames. Avoid skin & eye contact.		
DOT PLACARD	PRECAUTIONS TO BE TAKEN IN TRANSPORTATION			
	Avoid open flames & sparks. Keep container closed.			

PLATE NO. 22473 (BACK)